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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/851,619	05/09/2001	N. Convers Wyeth	SAIC0042	4107	
27510	7590 02/25/2003				
	K STOCKTON LLP		EXAMINER		
607 14TH STF SUITE 900			DONOVAN, LINCOLN D		
WASHINGTO	N, DC 20005		ART UNIT	PAPER NUMBER	
			2832		
			DATE MAILED: 02/25/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. 09/851,619

Applicant(s)

Wyeth

Office Action Summary

Examiner

Lincoln Donovan

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	The MAILING DATE of this communication appears	on the cover st	neet with	h the correspondence address	
	for Reply				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.					
- Extens	sions of time may be available under the provisions of 37 CFR 1.136 (a). In	a no event, however, r	may a reply	be timely filed after SIX (6) MONTHS from the	
- If the p	period for reply specified above is less than thirty (30) days, a reply within t	the statutory minimum	of thirty (30) days will be considered timely.	
- Failure - Anγ re	period for reply is specified above, the maximum statutory period will apply to reply within the set or extended period for reply will, by statute, cause the sply received by the Office later than thee months after the mailing date of	the application to beco	ome ABAND	DONED (35 U.S.C. § 133).	
earned Status	d patent term adjustment. See 37 CFR 1.704(b).				
1) 💢	Responsive to communication(s) filed on <u>Dec 11, 2</u>	2002		·	
2a) 🗌	This action is FINAL . 2b) X This act	ction is non-final			
3) 🗆	Since this application is in condition for allowance closed in accordance with the practice under Ex pa	except for form arte Quayle, 19	nal matt 335 C.D	ters, prosecution as to the merits is 11; 453 O.G. 213.	
-	tion of Claims				
4) 🗶	Claim(s) <u>1-34</u>			is/are pending in the application.	
	1a) Of the above, claim(s) <u>1-15</u>				
5) 🗆	Claim(s)			is/are allowed.	
	Claim(s) <u>16-34</u>				
	Claim(s)				
8) 🗌	Claims	are	subjec	t to restriction and/or election requirement.	
Applica	ition Papers				
9) 🗌	The specification is objected to by the Examiner.				
10)	The drawing(s) filed on is/are	e a) 🗌 accepte	ed or b)	$g\square$ objected to by the Examiner.	
	Applicant may not request that any objection to the d				
11)	The proposed drawing correction filed on				
	If approved, corrected drawings are required in reply	to this Office ac	ction.		
12)	The oath or declaration is objected to by the Exami	iiner.			
	under 35 U.S.C. §§ 119 and 120				
	Acknowledgement is made of a claim for foreign p	riority under 35	5 U.S.C	. § 119(a)-(d) or (f).	
a) 🗀	☐ All b) ☐ Some* c) ☐ None of:				
•	1. Certified copies of the priority documents hav	ve been receive	d.	!	
;	2. \square Certified copies of the priority documents hav	ve been receive	d in Ap	plication No,	
	3. Copies of the certified copies of the priority de application from the International Bure	eau (PCT Rule 1	17.2(a)).		
	ee the attached detailed Office action for a list of the				
	Acknowledgement is made of a claim for domestic				
a) The translation of the foreign language provisional application has been received.					
	Acknowledgement is made of a claim for domestic	priority under	35 U.S.	C. §§ 120 and/or 121.	
Attachme		—			
	tice of References Cited (PTO-892) tice of Draftsperson's Patent Drawing Review (PTO-948)			O-413) Paper No(s)	
2					
ο, 1 V	ministron Disclosure Statement(s) (FTO-1773) Lapor NO(s).	6) Other:			

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DETAILED ACTION

Election/Restriction

1. Claims 1-15 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected claimed invention, there being no allowable generic or linking claim. Election was made without traverse in Paper No. 7.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 16-20, 24, and 26-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nicolaides [US 3,918,032] in view of Nunoshita et al. [US 4,092,060].

Nicolaides discloses a switching circuit [figure 1] comprising:

- a substrate [10] for supporting components of the circuit; and
- at least one switch [abstract] having:
 - a first and second conductive elements [figures 1-2] on the substrate;
- a switch element formed of chalcogenide [column 3, line 39-column 4, line 47] connecting the first and second conductive elements, the switching material exhibiting a bi-stable

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phase behavior and switchable between first and second impedance states [column 3, lines 55-60] by application of energy thereto [column 3, lines 45-50].

Nicolaides disclose the instant claimed invention except for the switching circuit being used to switch electromagnetic waves.

Nunoshita et al. discloses a thin film optical switch [figure 2] using a phase change impedance switching material [column 4, line 53-column 5, line 9].

It would have been obvious to one having ordinary skill in the art at the time the invention was made that the switch design of Nicolaides could have been used for switching electromagnetic waves as suggested by Nunoshita et al.

Nunoshita et al. further discloses an additional lead [18] providing an energy source to a switch.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use an additional lead to provide an energy source to the switch of Nicolaides, as suggested by Nunoshita et al., for the purpose of providing switching control.

The specific conductor configuration would have been an obvious design consideration based on the desired switching characteristics.

4. Claims 21-23, 25 and 33-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nicolaides, as modified, as applied to claim 16 above, and further in view of Gonzalez et al. [US 3,691,688].

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Nicolaides, as modified, disclose the instant claimed invention except for a plurality of switches used in an array configuration.

Gonzalez et al. discloses an array of chalcogenide type switches.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to incorporate a plurality of switching elements into an array, as suggested by Gonzalez et al., for the purpose of providing multiple switching configurations.

Gonzalez et al. further shows the chalcogenide being commonly formed of Ge-Sb-Te.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to use Ge-Sb-Te for the Chalcogenide of Nicolaides, as modified, in order to use a well known material that exhibits the desired characteristics.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Lincoln Donovan whose telephone number is (703) 308-3111.

The fax number for this Group is (703)-872-9318.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-1782.

LDD

February 22, 2003